



ISEHD 2012

International Symposium on Electrohydrodynamics
in
Memory of Prof. J.S. Chang

Fourth Announcement

www.isehd.imp.gda.pl

September 23-26, 2012

- ***Last minute registration till July 1***

Gdańsk, Poland

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LOCAL ORGANIZING COMMITTEE

Prof. Mirosław Dors – Chair
Mr. Tomasz Izdebski – Secretary
Dr. Marek Kocik
Dr. Janusz Podliński
Mrs. Anna Niewulis
Mr. Mateusz Tański
Mr. Artur Berendt

GENERAL INFORMATION

The Board of the Electrohydrodynamics Technical Committee of the IEEE/DEIS/EHD has selected the Szewalski Institute of Fluid-Flow Machinery Polish Academy of Sciences in Gdańsk, Poland, as the organizer of the 2012 International Symposium on Electrohydrodynamics (ISEHD 2012). The Local Organizing Committee, consulting the International Organizing Committee and the International Advisory Committee, decided to

organize the ISEHD 2012 from 23rd to 26th September 2012 in Gdańsk, Poland, together with the Polish Society of Theoretical and Applied Electrical Engineering, Gdańsk Branch.

The main objective of the ISEHD series is to promote international cooperation and technological progress based on the interaction between electrical and fluid mechanics phenomena. This reunion is preceded by seven international symposiums held every two to three years in different countries (Canada, Italy, France, Argentina and Malaysia). The last symposium, ISEHD 2009 was held successfully from 25th to 28th March 2009 in University Malaysia Sarawak (UNIMAS) and attracted about 60 presenters.

The International Organizing Committee of the ISEHD was headed for a long time by Prof. Jen-Shih Chang, who passed away in February 2011. He was an accomplished scientist in many fields, including electrohydrodynamics. He authored and co-authored hundreds of papers that have become cornerstones of science. Many of the scientific accomplishments of Prof. J.S. Chang are the result of his leadership and broad international cooperation, in both Americas, Asia and Europe. The Members of the International Organizing Committee of the ISEHD 2012 decided to dedicate the Symposium to the memory of Professor Jen-Shih Chang.

VENUE AND ACCOMMODATION

The ISEHD 2012 will be held in the Scandic Hotel (4 stars hotel), located opposite the main railway station “Gdańsk Główny”, and a walking distance to the historical downtown of Gdańsk. Gdańsk has frequent and direct train and flight connections with Warsaw, Munich, Frankfurt, Copenhagen and other European cities. Participants can also come by a ferry from Stockholm.

We have negotiated a discount in the Scandic Hotel (gdansk@scandichotels.com) for a limited number of rooms. Room rates for ISEHD participants are:

- Single room: 80 Euro,
- Double room: 90 Euro.

Rates are per room per night and include breakfasts. At the booking procedure, please, send an e-mail to the Scandic Hotel (not to us) and give a password “**ISEHD 2012**”. Please, note that those rates are valid only **until August 1**, which is also the deadline for the symposium registration and fee payment.

Participants can also find a number of hotels of different standard in the downtown of Gdańsk, just in a walking distance to the conference site (a lot of hotels are listed at the website www.hrs.com).

SYMPOSIUM FEE

Last minute registration (before July 1, 2012)	400 €
Accompanying person	140 €

Symposium fee for registered participants covers lunches (from Monday till Wednesday), coffee breaks, Welcome Party, Barbecue, Symposium Dinner, symposium proceedings and Gdańsk sightseeing. Symposium fee for accompanying persons covers the same excluding proceedings.

Symposium fee (not hotel payment) must be paid **only via bank transfer** (no cash or credit card payments are allowed) to the following account:

Bank name: PKO BP

Branch name: 2 O/ Gdansk

Address:

59, Marynarki Polskiej Str. , PL 80-557 Gdansk

SWIFT code: BPKOPLPW

Account no (IBAN code) PL 71 1020 1811 0000 0502 0078 5816

Account owner (Beneficiary name): PTETiS Gdansk

Account owner address: Narutowicza 11/12, 80-233 Gdansk, Poland

Account owner phone number: +48 58 347 2534

PRELIMINARY SYMPOSIUM SCHEDULE

The symposium will start with a Welcome Party in the evening of Sunday, September 23rd, and end with a lunch on Wednesday, September 26th.

September 23 (Sun.)	Registration at the hotel Evening: Social Event – Welcome Party
September 24 (Mon.)	Symposium sessions Evening: Social Event – Barbecue
September 25 (Tue.)	Symposium sessions Afternoon: Gdańsk sightseeing Evening: Social Event – Symposium Dinner
September 26 (Wed.)	Symposium session Departure of Symposium participants

TOPICS

1. Fundamental Electrohydrodynamics
2. Electroconvection
3. EHD Pumping
4. EHD Instabilities
5. EHD of Two Phase Flows
6. Electrified Jets
7. EHD Spray Atomization & Electrospays
8. Electrocapillarity
9. Flow Electrification
10. EHD MicroFluidics
11. EHD Nanoparticle Manipulation
12. EHD Biomedical Applications
13. Electrostatic and Electrical Discharge Phenomena Related to EHD
14. Electro-Aerodynamics
15. Ionic Winds & EHD Gas Flows
16. EHD Aerospace Applications

17. Particle Control and Transport
18. Electrostatic Precipitators and Cleaners
19. Electrostatic Powder Coating
20. Electrostatic Painting
21. Electrostatic Propulsion
22. Electro-Fluidization
23. EHD Pollution Control Applications
24. EHD Water Treatment
25. New EHD Experimental Techniques
26. New EHD Applications
27. Numerical Methods for EHD Modelling
28. Numerical Methods for Modelling of Electrostatic and Electrical Discharge Phenomena Related to EHD
29. Optical, electrical and other diagnostics used in EHD environment
30. Other related subjects

J.S. CHANG LECTURE AWARD

P. Atten

Université Joseph Fourier, France

„Electrohydrodynamics of dispersed drops of conducting liquid : from drops deformation and interaction to emulsion evolution“

INVITED LECTURES

W. Balachandran

Brunel University, UK

„EHD atomization and its applications“

E. Moreau or N. Benard

University of Poitiers, France

„EHD actuators“

J. Yagoobi

Illinois Institute of Technology, USA

„EHD pumps“

K. Yan

Zhejiang University, China

„EHD flow problems inside ESP and energy saving for fine particle collection“

ISEHD 2012 STUDENT POSTER PRIZES

The International Organizing Committee of ISEHD 2012 will select the three best posters presented by PhD students. In addition to the quality of the scientific content and graphical presentation of the poster, its compliance with the related paper will be taken into account, irrespective of the topic, or whether these are predominantly experimental, computational or theoretical.

The student's supervisor, whether attending the ISEHD 2012 or not, is encouraged to nominate her/his student for the prize. Eligible students should not be defending their PhD theses before January, 2012. The nomination letter (500-1000 words), briefly describing and evaluating the specific work should reach the chair before 15 May, 2009:

Prof. Jerzy Mizeraczyk
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e-mail: jmiz@imp.gda.pl

DEADLINES

Due to discounts negotiated with the Scandic Hotel, not only for room rates but also for using the hotel facilities and service, we have to change previously given deadlines as following:

Last minute registration	July 1
Abstracts	July 1
Hotel reservation	As early as possible (for Scandic Hotel before August 1)
Full paper	July 31

ADDITIONAL INFORMATION

For more information on the ISEHD 2012, transportation, accommodation, social events or other topics related or not to the symposium please ask without any hesitation the Symposium Chair:

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or the Symposium Secretary:

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